APPENDIX F
NORWOOD TOWNHOMES VMT ANALYSIS MEMO

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TECHNICAL MEMORANDUM

Date:	April 14, 2022		
To:	Angela DaRosa, Raney Planning	*Project No.:*	041-105 Norwood Townhomes VMT
From:	Arthur Chen, TJKM	*Jurisdiction:*	City of Sacramento
Subject:	**Norwood Townhomes VMT Analysis Memo**		

TJKM conducted a VMT (Vehicle Miles Traveled) analysis for the proposed Norwood Townhomes residential project. The project is located in north Sacramento and consists of 48 single family housing units on a site in the southwest corner of Norwood Ave and Main Ave. The project is not proposing to change the existing General Plan land use designation of Residential High Density or existing Zoning of R-1-12. SB743 requires all land use projects subject to CEQA analyze VMT impacts and determine whether the project has a significant or insignificant impact.

The current practice of the City of Sacramento utilizes the City's Transportation Impact Analysis Guidelines (dated September 10, 2020). Therefore, these guidelines have been used for purposes of this analysis. The City's guidelines state that residential land uses should utilize the VMT per capita metric.

For VMT forecasting, the Sacramento City/County Transportation Analysis Guidelines (09/10/2020, page 16) recommends that the estimated VMT for a proposed project be obtained by:

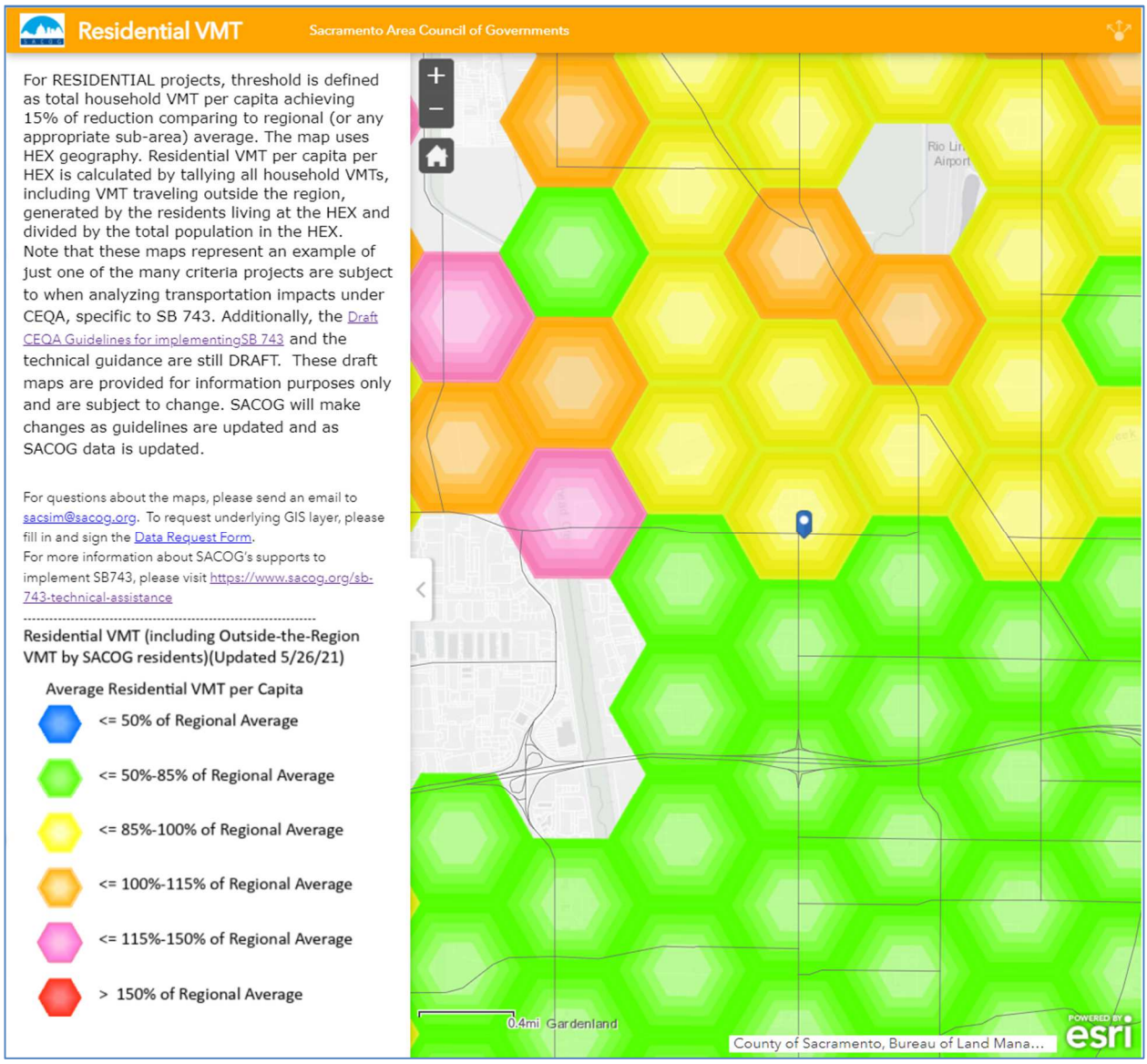
> *Use of a "regional" transportation model, either by running the model directly to estimate VMT with and without the project (for large projects) or through use of screening methodologies (for small projects). The transportation model used for VMT estimation could either be the SACOG regional model (SACSIM19) or one of the many variants of the regional model developed by local agencies to provide more detailed analysis within their jurisdictions. If one of the local models is used, it should be sufficiently documented and maintained. Any edits to the model's network must be fully described and should only be made at the project site to 1) ensure that site access for the proposed project is properly represented in the model and 2) any changes in roadways, bikeways or transit networks that are part the proposed project is reflected.*

VMT impacts would be considered significant if daily VMT exceeds the following threshold:

- 15.0 VMT per resident for the base year

For projects greater than 20 dwelling units, the guidelines require a travel demand model run to be conducted. First, the project is checked with the Sacramento Area Council of Governments (SACOG) residential VMT screening maps to make sure that the project is located in a travel analysis zone that is non-exempt from VMT analysis. Figure 1 shows the project's location on the SACOG online screening map.

Figure 1 – SACOG SACSIM Residential VMT Screening Map for Norwood



The project is located in a zone that has slightly higher VMT per capita than the 85% significance threshold. Thus, a SACSIM run is required for this project.

The project is located in TAZ #238 of the SACSIM model. 48 households were added into TAZ #238 for the 2016 model base year and the model was run to analyze existing plus project conditions VMT per capita. Table 1 shows the VMT per capita associated with the Norwood Townhomes project when modeled.

Table 1 – Residential VMT per Capita – Norwood Townhomes

TAZ	VMT per Capita		
	Existing Conditions	Impact Threshold	Existing plus Project Conditions
238	15.03	15.00	14.80

Currently, in the base year SACSIM model TAZ #238 has a VMT per capita of 15.03. Running the model with the Norwood Townhomes project coded in results in a decrease of VMT per capita to **14.80**. Since 14.80 is lower than the impact threshold of 15.00, VMT impacts associated with the Norwood Townhomes project are considered to be insignificant.

Appendix A contains the VMT outputs from the SACSIM model for TAZ #238.

Appendix A
SACSIM VMT Outputs

TAZ #238 No Project VMT Output

TAZ	Households	Population	Tot_RES_VMT	Res_VMT_Capita
238	1242	3813	57309.39	15.03

TAZ #238 with Project VMT Output

TAZ	Households	Population	Tot_RES_VMT	Res_VMT_Capita
238	1290	3960	58613.36	14.80